NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 4/01/2010

Control	**1538-01-005, ETC.**
Project	**STP 2010(728)SB, ETC.**
Highway	**RM 1723, ETC.**
County	**MASON**

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an adendum notification which details the changes and the respective proposal pages which were added and/ or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped “This Proposal Issued for Informational Purposes.”

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

04/99

SUBJECT: PLANS AND PROPOSAL ADDENDUMS
PROJECT: STP 2010(728)SB CONTROL: 1538-01-005
COUNTY: MASON
LETTING: 04/06/2010
REFERENCE NO: 0331

PROPOSAL ADDENDUMS

_ PROPOSAL COVER
X BID INSERTS (SH. NO.: 2-7,5-7,AND 6-7)
X GENERAL NOTES (SH. NO.: A (PLAN SHEET 2)
)
X SPEC LIST (SH. NO.: 2-3)
X SPECIAL PROVISIONS:
ADDED: 008-006, 300-016

DELETED:

_ SPECIAL SPECIFICATIONS:
ADDED:

DELETED:

X OTHER: PLAN SHEETS (1,2,3,3A,4,17,48,52,96,AND 97)

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

NEW WAGE RATE(S) Y

WAGE RATES

WAGE RATES REVISED

BID INSERTS

SHEET 2-7 - DELETED ITEM 316 2006
ADDED ITEM 316 2694
SHEET 5-7 - DELETED ITEMS 560 2001 AND 560 2002
ADDED ITEMS 560 2015 AND 560 2008
SHEET 6-7 - CHANGED QUANTITY FOR ITEM 672 2012

GENERAL NOTES

SHEET A - CHANGED DESCRIPTION UNDER ITEM 316 IN BASIS OF ESTIMATE

SPECIFICATION LIST

SHEET 2-3 - ADDED SPECIAL PROVISIONS 008-006 AND 300-016

PLAN SHEETS

SHEET 1 - CHANGED "PM(2)-08" AND "PM(4)-03" TO "PM(2)-10" AND "PM(4)-10"
SHEET 2 - CHANGED ITEM DESCRIPTION UNDER ITEM 316 WHERE INDICATED
SHEET 3 - DELETED ITEMS 316 2006, 560 2001, AND 560 2002

DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

ADDED ITEMS 316 2694, 560 2015, AND 560 2008
SHEET 3A - CHANGED QUANTITY FOR ITEM 672 2012
SHEET 4 - CHANGED ITEM DESCRIPTION,ITEM NUMBER,OR QUANTITY WHERE INDICATED
SHEET 17 - CHANGED DESCRIPTION FOR SEAL COAT
SHEET 48 -CHANGED ITEM DESCRIPTION,ITEM NUMBER,OR QUANTITY WHERE INDICATED
SHEET 52 - CHANGED DESCRIPTION FOR SEAL COAT
SHEET 96 - UPDATED STANDARD SHEET TO PM(2)-10
SHEET 97 - UPDATED STANDARD SHEET TO PM(4)-10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	2002	002	PREPARING ROW DOLLARS and CENTS	STA	168.300	1
	104	2011		REMOVING CONC (MEDIANS) DOLLARS and CENTS	SY	13.200	2
	105	2002		REMOVING STAB BASE AND ASPH PAV (2") DOLLARS and CENTS	SY	1,129.000	3
	105	2011		REMOVING STAB BASE AND ASPH PAV (2"-6") DOLLARS and CENTS	SY	1,820.000	4
	110	2001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	3,074.000	5
	112	2001		SUBGRADE WIDENING (ORD COMP) DOLLARS and CENTS	STA	128.000	6
	132	2003		EMBANKMENT (FINAL)(ORD COMP)(TY B) DOLLARS and CENTS	CY	399.000	7
	160	2003		FURNISHING AND PLACING TOPSOIL (4") DOLLARS and CENTS	SY	44,435.000	8
	164	2001	002	BROADCAST SEED (PERM) (RURAL) (SANDY) DOLLARS and CENTS	SY	8,652.000	9
	164	2003	002	BROADCAST SEED (PERM) (RURAL) (CLAY) DOLLARS and CENTS	SY	35,783.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	164	2009	002	BROADCAST SEED (TEMP) (WARM) DOLLARS and CENTS	SY	42,318.000	11
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	1,313.000	12
	169	2003	002	SOIL RETENTION BLANKETS (CL 1) (TY C) DOLLARS and CENTS	SY	2,012.000	13
	247	2366	033	FL BS (CMP IN PLC)(TY A GR 5)(FNAL POS) DOLLARS and CENTS	CY	1,513.000	14
	310	2005		PRIME COAT (MC-30 OR AE-P) DOLLARS and CENTS	GAL	1,064.000	15
	316	2239		AGGR(TY-PD GR-4 SAC-B) DOLLARS and CENTS	CY	418.000	16
	316	2694		ASPH (AC-20-5TR, AC-20XP OR AC-15-P) DOLLARS and CENTS	GAL	21,394.000	17
	340	2011	003	D-GR HMA(METH) TY-B PG64-22 DOLLARS and CENTS	TON	4,161.000	18
	340	2106	003	D-GR HMA(METH) TY-D PG64-22 DOLLARS and CENTS	TON	979.000	19
	354	2002		PLAN & TEXT ASPH CONC PAV(0" TO 2") DOLLARS and CENTS	SY	3,581.000	20
	420	2013	002	CL C CONC (MISC) DOLLARS and CENTS	CY	249.000	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	432	2002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	22.500	22
	460	2014		CMP AR (GAL STL DES 2) DOLLARS and CENTS	LF	338.000	23
	464	2003	003	RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	72.000	24
	464	2005	003	RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	20.000	25
	467	2222		SET (TY II)(18 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	40.000	26
	467	2224		SET (TY II)(24 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	9.000	27
	467	2225		SET (TY II)(30 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	6.000	28
	467	2234		SET (TY II)(18 IN)(RCP)(6:1)(C) DOLLARS and CENTS	EA	2.000	29
	467	2236		SET (TY II)(24 IN)(RCP)(6:1)(C) DOLLARS and CENTS	EA	1.000	30
	467	2238		SET (TY II)(30 IN)(RCP)(6:1)(C) DOLLARS and CENTS	EA	6.000	31
	467	2336		SET (TY II)(DES 2)(CMP)(6:1)(P) DOLLARS and CENTS	EA	24.000	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	467	2337		SET (TY II)(DES 3)(CMP)(6:1)(P) DOLLARS and CENTS	EA	2.000	33
	467	2370		SET (TY I)(S= 4 FT)(HW= 2 FT)(4:1)(C) DOLLARS and CENTS	EA	1.000	34
	496	2007		REMOV STR (PIPE) DOLLARS and CENTS	LF	24.000	35
	500	2001	005	MOBILIZATION DOLLARS and CENTS	LS	1.000	36
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN-DLING DOLLARS and CENTS	MO	5.000	37
	506	2002	010	ROCK FILTER DAMS (INSTALL) (TY 2) DOLLARS and CENTS	LF	1,486.000	38
	506	2009	010	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	1,486.000	39
	506	2024	010	BACKHOE WORK (EROSION & SEDM CONT) DOLLARS and CENTS	HR	40.000	40
	506	2034	010	TEMPORARY SEDIMENT CONTROL FENCE DOLLARS and CENTS	LF	12,090.000	41
	530	2011		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	1,624.000	42

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	530	2017		TURNOUTS (ACP) DOLLARS and CENTS	SY	1,267.000	43
	560	2008	001	MAILBOX INSTALL-M (TWW-POST)TY 4 FND-TB DOLLARS and CENTS	EA	2.000	44
	560	2015	001	MAILBOX INSTALL-S(TWW-POST)TY 4 FND-TB DOLLARS and CENTS	EA	7.000	45
	636	2001	014	ALUMINUM SIGNS (TY A) DOLLARS and CENTS	SF	11.000	46
	644	2001		INS SM RD SN SUP&AM TY 10BWG(1) SA(P) DOLLARS and CENTS	EA	9.000	47
	644	2022		INS SM RD SN SUP&AM TY S80(1) SA(P) DOLLARS and CENTS	EA	1.000	48
	644	2056		RELOCATE SM RD SN SUP & AM TY 10BWG DOLLARS and CENTS	EA	18.000	49
	644	2058		RELOCATE SM RD SN SUP & AM TY S80 DOLLARS and CENTS	EA	4.000	50
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	5.000	51
	644	2077		REMOVE SM RD SN SUP & AM (SIGN ONLY) DOLLARS and CENTS	EA	11.000	52

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	658	2319		INSTL OM ASSM (OM-2Z)(RCR)WP DOLLARS and CENTS	EA	34.000	53
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	25,588.000	54
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	84.000	55
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	1,891.000	56
	666	2012		REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	33,715.000	57
	666	2036		REFL PAV MRK TY I (W) 8" (SLD)(100MIL) DOLLARS and CENTS	LF	1,681.000	58
	666	2048		REFL PAV MRK TY I (W) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	36.000	59
	666	2054		REFL PAV MRK TY I (W) (ARROW) (100MIL) DOLLARS and CENTS	EA	4.000	60
	666	2096		REFL PAV MRK TY I (W) (WORD) (100MIL) DOLLARS and CENTS	EA	4.000	61
	666	2111		REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	37,799.000	62
	666	2132		REFL PAV MRK TY I (Y) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	969.000	63

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	672	2012	034	REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	84.000	64
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	900.000	65
	677	2001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	25,588.000	66

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

GENERAL NOTES:

Basis of Estimate
RM 1723 – CSJ 1538-01-005

Item	Description	Rate **	Basis	Quantity
160	Topsoil	1 CY/7 SY	5,048 CY	35,333 SY
164	Seed for Erosion Cont	4840 SY/AC	7.3 AC	35,333 SY
166	Fertilizer (13-13-13)	1/8 LB/SY	4,417 LB	
168	Vegetative Watering (Item 164)(Temp) (Item 164)(Perm)	 10 GAL/SY 20 GAL/SY	 33,666 SY 35,333 SY	 336.66 MG 706.66 MG
316	Surface Treatments Seal Coat Asph (AC 20-5TR, AC-20XP or AC-15-P) Aggr (TY PD GR 4 SAC B)	 Total 0.40 GAL/SY 1 CY/110 SY	 33,605 SY 28,930 SY	 13,442 GAL 263 CY
340	Dense-Graded Hot-Mix Asphalt (Method) TY B PG 64-22	 110 LB/SY/IN	 40,896 SY	 2,991 TON

** For Informational Purposes Only

Basis of Estimate
US 87 – CSJ 0071-03-037

Item	Description	Rate **	Basis	Quantity
160	Topsoil	1 CY/7 SY	1,236 CY	8,652 SY
164	Seed for Erosion Cont	4840 SY/AC	1.79 AC	8,652 SY
166	Fertilizer (13-13-13)	1/8 LB/SY	1082 LB	
168	Vegetative Watering (Item 164)(Temp) (Item 164)(Perm)	 10 GAL/SY 20 GAL/SY	 8,652 SY 8,652 SY	 86.52 MG 173.04 MG
247	FL BS (CMP IN PLC) (TY A GR 5)	 27 CF/CY	 40,851 CF	 1,513 CY
310	Prime Coat (MC-30 or AE-P)	0.20 GAL/SY	5,320 SY	1,064 GAL
316	Surface Treatments Seal Coat Asph (AC 20-5TR, AC-20XP or AC-15-P) Aggr (TY PD GR 4 SAC B)	 Total 0.40 GAL/SY 1 CY/110 SY	 19,880 SY 17,050 SY	 7,952 GAL 155 CY
340	Dense-Graded Hot-Mix Asphalt (Method) TY B PG 64-22 TY D PG 64-22 TY D PG 64-22 (LEVEL UP)	 110 LB/SY/IN 110 LB/SY/IN 110 LB/SY/IN	 5,319 SY 5,764 SY 3,581 SY	 1,170 TON 634 TON 345 TON

** For Informational Purposes Only

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Basis of Estimate
RM 1723 – CSJ 1538-01-006

Item	Description	Rate **	Basis	Quantity
160	Topsoil	1 CY/7 SY	64.3 CY	450 SY
164	Seed for Erosion Cont	4840 SY/AC	0.093 AC	450 SY
166	Fertilizer (13-13-13)	1/8 LB/SY	56.25 LB	
168	Vegetative Watering (Item 164)(Perm)	20 GAL/SY	450 SY	9 MG

** For Informational Purposes Only

GENERAL

Do not place surface treatments or pavement when in the Engineer's professional judgment, the apparent general weather conditions are unsuitable for Overlay and Seal Coat operations.

Remove and replace, at the Contractor's expense, and as directed, all defective work, which was caused by the Contractor's workforce, materials, or equipment.

Perform work during good weather unless otherwise directed. If work is performed at Contractor's option, when inclement weather is impending, and the work is damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the work, if required.

Accrue contract time charges through the Contractor's completion of the final punchlist.

Meet weekly with the Engineer to notify him/her of planned work for the upcoming week. Provide a three-week "look ahead," as well as all work performed over the past week.

Equip all construction equipment used in roadway work with a permanently mounted 360° revolving or strobe warning light with amber lens. Light will have a minimum lens height and diameter of 5 inches and mounting height of not less than 6 feet above the roadway surface and be visible from all sides. Attach at each side of the rear end of the construction equipment an approved orange warning flag mounted not less than 6 feet above the roadway surface.

Overhead and underground utilities may exist in the vicinity of the project. The exact location of underground utilities is not known.

If working near power lines, comply with the appropriate sections of Local Legal Requirements, Texas State Law, and Federal Regulations relating to the type of work involved.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

In the event of unforeseen utility adjustment, the Contractor will prosecute their work in such a manner and sequence as to allow the adjustments to be made. If in the opinion of the Engineer, the Contractor is delayed by virtue of the adjustment of these utilities, an extension of working time may be granted, if necessary.

Remove all construction debris and surplus material generated by the construction work within the project limits. Perform this work as directed. Consider subsidiary to the pertinent Items.

Trim vegetation around signs and other obstructions. Consider subsidiary to pertinent Items.

Supply litter barrels in enough numbers at locations as directed to control litter within the project. Consider subsidiary to pertinent Items.

Sweep the roadway and keep it free of sediment as directed. Consider subsidiary to pertinent Items.

Protect all areas of the right of way, which are not included in the actual limits of the proposed construction areas from destruction. Exercise care to prevent damage to trees, vegetation, and other natural surroundings. Areas not to be disturbed will be as directed. Restore any area disturbed because of the Contractor's operations to a condition as good as, or better than, before the beginning of work.

Damage to existing pipes and SET's due to Contractor operations shall be repaired at Contractor's expense.

All locations used for storing construction equipment, materials, and stockpiles of any type, within the right of way, will be as directed. Use of right of way for these purposes will be restricted to those locations where driver sight distance to businesses and side street intersections is not obstructed and at other locations where an unsightly appearance will not exist. The Contractor will not have exclusive use of right of way but will cooperate in the use of the right of way with the city and various public utility companies as required.

Maintain positive drainage for permanent, as well as, temporary drainage for the duration of the project. This work is the sole responsibility of the Contractor. Construct temporary and permanent drainage systems prior to the placement of temporary pavement, when possible, but absolutely prior to the placement of permanent pavement. Be responsible for any items associated with the temporary/interim drainage and all related maintenance. No direct payment will be made for this work. The Engineer will have the final authority in determining the adequacy of any temporary/permanent drainage features installed.

The Project Superintendent will be capable of speaking English and will be available to contact at all times when work is being performed, including subcontractor work. The Superintendent will be available and on-call 24 hours a day.

Furnish, to the Engineer, a list of the final centerline elevations.

During evacuation periods for Hurricane events, as predicted by National Oceanic and Atmospheric Administration (NOAA), the Contractor will cooperate with Department requirements for the restricting of Lane Closures and arranging for Traffic Control to facilitate Coastal Evacuation Efforts. In addition, the Contractor's assistance may be requested outside of the Project Limits.

Storm Water Pollution Prevention Plan (SW3P)

Maintain erosion control features according to the TxDOT SW3P sheet.

In the event that significant contamination is encountered based on odors, visual evidence, or vapor monitoring, immediately contact the Engineer in accordance with Item 4.3 of the General Provisions of the STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES. The Engineer may suspend work wholly or in part to determine the coordination/management for the testing, removal and disposal of hazardous materials that might be necessary according to all applicable rules, laws and regulations.

When any abandoned well is encountered, cease construction operations in this area and notify the Engineer who will coordinate the proper plugging procedures with Texas Commission on Environmental Quality (TCEQ).

Plug any drill holes, resulting from core sampling on-site or down-gradient of the site, with concrete from the bottom of the hole to the top of the hole so that water and contaminants are not allowed to enter the subsurface environment.

Restrict construction vehicles from traversing or utilizing existing roadways, unprotected construction areas, and areas with vegetative cover.

Maintain vehicles at designated maintenance sites, unless otherwise approved.

Transport any soils contaminated during construction off of the proposed project, away from the site, and properly dispose of off-site.

Collect wastewater generated on-site by chemical toilets, transport and dispose of off-site, in a proper manner.

Suspend all activities near any significant recharge features, such as sinkholes, caves, or any other subterranean openings that are discovered during construction or core sampling. Do not

proceed until the designated geologist or TCEQ representative is present to evaluate and approve remedial action.

Locate aboveground storage tanks kept on-site for construction purposes over bermed impervious liners as to not allow any leakage into underlying soils. Additionally, the containment will be sized to capture 150% of the total volume of fluids stored on-site within the storage area.

No blasting will be allowed within 300 feet of a geologic feature of significant recharge potential, unless otherwise approved.
For all work over or near Bodies of Water (Lakes, Rivers, Ponds, Creeks, etc.):
Keep on hand Synthetic Absorbent Booms (Petroleum Sorbent Booms, Petroleum Socks, Absorbant Socks, etc.) and Absorbent Pads (Eversoak Sorbents, Industrial Absorbent Pads, Calicorp Absorbent Pads, etc.), both types, for spilled petroleum products, in enough quantity to mitigate a petroleum-type spill due to Contract work.

ITEM 4.6 – SCOPE OF WORK

Final cleanup will include the removal of excess material considered detrimental to vegetation growth along the front slope of the ditch. Materials such as surface aggregates and other materials as specified by the Engineer will be removed at the Contractor's expense.

ITEM 5 – CONTROL OF THE WORK

Before Contract letting, bidders may obtain from the Engineer's office, the earthwork information. If copies of the actual cross-sections (paper copies) are requested, they will be available at the Engineer's office for borrowing by copying companies for the purpose of making copies for the bidder, at the bidder's expense. In addition, cross-sections will be available in electronic format, upon request, at no cost to the bidder.

GEOPAK earthwork output listings for this project are available upon request, on diskettes, at the Area Engineer's office.

Mark and maintain 100-foot station intervals for the duration of the project. Consider subsidiary to pertinent Items.

ITEM 6 - CONTROL OF MATERIALS

Article 6.5
Give a minimum of 48 hours notice for materials, which require inspection at the plant.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

ITEM 7 – LEGAL RELATIONS AND RESPONSIBILITIES

Article 7.19

Do not initiate activities in a Project Specific Location (PSL) associated with a U.S. Army Corps of Engineers (USACE) jurisdictional area that have not been previously evaluated by the USACE as part of the permit review of this project. Such activities include, but are not limited to, haul roads, equipment staging areas, borrow and disposal sites. Associated defined here means materials are delivered to or from the PSL. The jurisdictional area includes all waters of the U.S. including wetlands or associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. Consult with the USACE regarding activities, including Project Specific Locations (PSLs) that have not been previously evaluated by the USACE. Provide the Department with a copy of all consultations or approvals from the USACE before initiating activities.

Proceed with activities in PSLs that do not affect a USACE jurisdictional area if a self-determination has been made that the PSL is non-jurisdictional or proper USACE clearances have been obtained in jurisdictional areas or have been previously evaluated by the USACE as part of the permit review of this project. Document any determinations that their activities do not affect a USACE jurisdictional area. Maintain copies of their determinations for review by the Department or any regulatory agency.

The Contractor must document and coordinate with the USACE, if required, before any excavation hauled from or embankment hauled into a USACE jurisdictional area by either (1) or (2) below.

(1) Restricted Use of Materials for the Previously Evaluated Permit Areas. Document both the project specific location (PSL) and their authorization. Maintain copies for review by the Department or any regulatory agency. When an area within the project limits has been evaluated by the USACE as part of the permit process for this project:

a. Suitable excavation of required material in the areas shown on the plans and cross sections as specified in Item 110, Excavation, is used for permanent or temporary fill (Item 132, Embankment) within a USACE jurisdictional area;
b. Suitable embankment (Item 132) from within the USACE jurisdictional area is used as fill within a USACE evaluated area; and,
c. Unsuitable excavation or excess excavation [“Waste”] (Item 110, Excavation) that is disposed of at an approved location within a USACE evaluated area.

(2) Contractor Materials from Areas Other than Previously Evaluated Areas. Provide the Department with a copy of all USACE coordination or approvals before

initiating any activities in a jurisdictional area within the project limits that has not been evaluated by the USACE or for any off right of way locations used for the following, but not limited to, haul roads, equipment staging areas, borrow and disposal sites:

a. Item 132, Embankment, used for temporary or permanent fill within a USACE jurisdictional area; and,
b. Unsuitable excavation or excess excavation ["Waste"] (Item 110, Excavation) that is disposed of outside a USACE evaluated area.

The total area estimated to be disturbed for project 1538-01-005 is 17 acres and for project 0071-03-037 is 3.5 acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain required authorization from the TCEQ for Contractor PSLs for construction support activities on or off the ROW. When the total area disturbed in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer and to the local government that operates a separate storm sewer system.

This project required formal consultation, permits, or both with environmental resource agencies. Environmentally sensitive areas will most likely be encountered on Contractor designated PSLs for this project.

TxDOT has assumed a U.S. Army Corps of Engineers (USACE) nationwide permit #3 (a) for this project. The requirement of NWP #3 (a) will be adhered to and all disturbed areas will be restored to their original contours after construction is complete. The areas affected by temporary fills would be revegetated, as appropriate.

A project that requires a USACE permit must use at least one of the Best Management Practices (BMP) from each category listed on the Texas Commission on Environmental Quality Section 401 checklist for NWPs. The erosion control BMP for this project would be blankets/mulch/matting. The post construction total suspended solid control BMP for this project would not be required. The sedimentation control BMPs for this project would be silt fences and triangular filter dikes.

Do not park equipment or make stockpiles where driver sight distance to businesses and side street intersections is obstructed, especially after work hours. If it is necessary to park where drivers' views are blocked, make every effort to flag traffic accordingly. Give the travelling public first priority.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Migratory Birds

The contractor's attention is directed to the fact that there is the possibility that migratory birds may be nesting on existing structures within the project limits. The contractor shall remove all old migratory bird nests from any structures between September 1 and January 31 while the nests are not occupied by a bird. In addition, the contractor must be prepared to prevent migratory birds from re-nesting between February 1 and August 31. All methods must be approved by the Austin District Biologist well in advance of planned use.

No blasting on this project.

ITEM 100, 132 & 160 - PREP ROW, EMBANKMENT, & TOPSOIL

Do not burn brush, unless otherwise approved.
Use hand methods or other means to remove objectionable material and obstructions, if doing work by mechanical methods is impractical. Consider subsidiary to the pertinent Items.

ITEM 110 & 132 – EXCAVATION & EMBANKMENT

Unsuitable material encountered in a cut or fill section will be considered waste. The Engineer will define unsuitable material. Material, which the Contractor might deem to be unsatisfactory or unsuitable, due to moisture content, will not be considered unsuitable material, unless otherwise approved.

ITEM 112 – SUBGRADE WIDENING

For RM 1723 - CSJ 1538-01-005, limits and materials are to be removed, as shown on the typical sections, using a planing process. Perform planing process as directed by the Engineer. Consider this work subsidiary to pertinent Items.

Complete all subgrade work to conform to required grades and cross-sections, as shown and directed, prior to the placement of TY B PG64-22.

For RM 1723 - CSJ 1538-01-005, use approved Road Widener Self Propelled equipment for road widening operations. As directed by the Engineer.

ITEM 132 & 400 - EMBANKMENT & EXCAVATION AND BACKFILL FOR STRUCTURES

Use approved compaction equipment for all backfilling and embankment operations. Detachable sheepsfoot-type wheels mounted on backhoes, trackhoes and other similar equipment will not be allowed for compaction operations, including pipe installation.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

ITEM 132 - EMBANKMENT

The Engineer must approve the TY B embankment material before use on the project.

Work to correct unstable material (e.g. dry, wet, loose, etc.) to a depth of 6" below existing subgrade elevation, prior to beginning any embankment placement. Consider subsidiary to the various bid Items. Any work to correct unstable material below the 6" depth, below existing subgrade elevation, will be paid as extra work. However, there will be no payment to correct failures, in the subgrade areas, that were constructed under this contract.

Track ALL embankment slopes left idle for more than 14 days, within or at the end of the 14-day idle period, to prevent erosion. Tracking consists of operating a tracked vehicle or equipment up and down the slope, leaving track marks perpendicular to the direction of the slope. Retrack slopes after rain event, as directed. Consider tracking of slopes to prevent erosion as subsidiary to the pertinent Items.

Correct subgrade (e.g. unstable areas, soft spots, etc.) prior to the dumping of Flexbase or HMACP. Consider subsidiary to the pertinent Items.

Scarify and re-compact existing asphaltic/base sections, which are not called out to be removed in fill sections, where the bottom of the proposed pavement structure is higher than and over the top of the existing asphalt surface, in order to reduce the possibility of a slip plane.

ITEM 160 - TOPSOIL

Obtain approval of all topsoil sources before digging begins. Ensure off-site topsoil has a minimum PI of 25, or as directed. Ensure that the topsoil placed is similar to the topsoil that is within the project. To the extent possible, obtain as much of the topsoil from within the project site, or as directed. TxDOT reserves the right to take samples, as needed, to assure that the material meets the PI and other requirements as indicated in the Specifications (Fertility, Organics, Erodability, etc.).

No Sandy Loam allowed, unless the project dictates otherwise.

Obtain approval of the actual depth of the topsoil sources for both on-site and off-site sources.

Construct topsoil stockpiles of no more than five (5) feet in height.

It is permissible to use topsoil dikes for erosion control berms within the right of way.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Track ALL topsoiled slopes left idle for more than 14 days, within or at the end of the 14-day idle period, to prevent erosion. Tracking consists of operating a tracked vehicle or equipment up and down the slope, leaving track marks perpendicular to the direction of the slope. Retrack slopes after rain event, as directed. Consider the tracking of slopes to prevent erosion as subsidiary to the pertinent Items.

Upon final grading, immediately track all topsoiled slopes to prevent erosion, prior to seeding operations, as directed. Consider subsidiary to the pertinent Items.

Place Topsoil in accordance with the SW3P, in phases, as partial completion of the roadway is obtained.

Perform topsoil measurements with the Engineer, as directed. Consider subsidiary to the pertinent Items.

Provide measurements for payment of topsoil quantities before seeding. Consider subsidiary to the pertinent Items.

ITEM 164 – SEEDING FOR EROSION CONTROL

Obtain vegetation establishment of all seeded areas, including adequate coverage, prior to "Final Acceptance." If all other work is complete, time charges may be suspended, until adequate coverage is established.

Do not use ryegrass for temporary cover.

Reseed all areas with "little or no" grass growth after 1 month from the last seeding date, as directed. Consider subsidiary to the various bid items.

ITEM 166 – FERTILIZER

Use 13-13-13 fertilizer analysis, unless otherwise directed. Take soil samples, as directed, to determine the actual soil needs for fertilizer. Consider this work subsidiary to pertinent Items.

ITEM 168 – VEGETATIVE WATERING

Water all areas of project to be seeded.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Maintain the seedbed in a condition favorable for the growth of grass. Watering can be postponed immediately after a rainfall on the site of ½ inch or greater, but will be resumed before the soil dries out. Continue watering until final acceptance.

Vegetative watering rates and quantities are based on ¼ inch of watering per week over a 3-mpnth watering cycle. The actual rates used and paid for will be as directed and will be based on prevailing weather conditions to maintain the seedbed.

Obtain water at a source that is metered or furnish the manufacturer's specifications showing the tank capacity for each truck used. Notify the Engineer, each day that watering takes place, before watering, so that meter readings or truck counts can be verified.

ITEM 169 – SOIL RETENTION BLANKETS

Provide machined mat of curled wood excelsior of 80%, six-inch or longer fibers. The top of each blanket is covered with a photodegradable extruded plastic mesh. Typical weight = 0.975 lbs/sq yd; typical roll width = 48 or 96 inches; typical roll length = 90 feet. This soil retention blanket should meet the previous stated requirements, equal, or better as approved.

Use materials from prequalified material producers list as shown on the Texas Department of Transportation (TxDOT) ------ Construction Divisions (CST) materials producers list. See TxDOT website (www.txdot.gov/Business with TxDOT > Materials Information > Material Producer List for list of pre-qualified manufacturers. Direct all questions to the Maintenance Division, Vegetation Management Section, 125 E. 11th Street, Austin, TX 78701-2483.

ITEM 247 - FLEXIBLE BASE

For US 87 - CSJ 0071-03-037:

Material Requirements

The following table will govern the acceptance of compaction on base courses, when compacted in multiple courses. Compaction requirements are in percent of maximum dry density as determined by (Tex-113-E). When compacting in a single course, compact to at least 100% of maximum dry density as determined by Tex-113-E.

Item	Material	All Roadways	
		Lift	Min Density
247	FL BS (CMP IN PLC)	1 2 (final lift)	98% 100%

Use Flexible Base (Type "A" Grade 5) with a minimum PI of zero (0).

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Correct subgrade (e.g. unstable areas, soft spots, etc.) prior to the dumping of Flex Base. Consider subsidiary to the pertinent Items.

Use Flex Base (CMP IN PL) (TY A GR 5) for driveways, minor streets, and other locations as directed.

Roll shoulder base with a light pneumatic roller to prevent erosion.

Complete all subgrade, ditches, slopes, and place all drainage structures to conform to required lines, grades, and cross-sections, as shown and directed, prior to the placement of Flex Base.

For Flex Base placed over the box culverts, do not use a Vibratory Roller to compact the material.

Provide a smooth, clean sawcut along the existing asphalt pavement structure, as directed. Consider subsidiary to the pertinent Items.

ITEM 300 – ASPHALTS, OILS, AND EMULSIONS

Asphalt season starts April 1 and ends October 31.

ITEM 302 – AGGREGATES FOR SURFACE TREATMENTS

Previously tested aggregates delivered to the project, which are found to contain excessive quantities of dust (more than 0.5 percent passing the no. 40 sieve) during pre-coating, stockpiling or hauling operations, will be rejected, unless otherwise directed. Use test method Tex-200-F, Part I, for testing.

ITEM 310, 340

Perform work during good weather unless otherwise directed. If work is performed at Contractor's option, when inclement weather is impending, and the work is damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the work, if required.

ITEM 310 – PRIME COAT

Apply blotter material to all driveways and intersections.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Use bituminous material of the type MC-30 or AE-P.

Any oil asphaltic material being paid for on the project shall use tank strap method as shown in TxDOT Seal Coat and Surface Treatment Manual 2004-1.

ITEM 316 – SURFACE TREATMENTS

Apply AC-20-5TR when air temperature is above 85 degrees F and rising.

Do not apply asphalt within 1½ hours of sunset, or later, unless otherwise directed.

Ensure the accuracy of the Distance Measuring Instrument (DMI) with the Engineer, prior to marking the Asphalt and Rock Land shots.

Ensure the minimum aggregate surface classification is class B.

Roll before opening to traffic.

Surface all transitions, tapers, climbing lanes and intersections to the limits as directed.

Keep all traffic, including construction traffic, off freshly placed surface treatment, as directed.

Distribution to each control section will be proportioned to the volumetric quantity as shown on the "daily road report."

All transports will have a seal affixed at the point of origin. The Engineer will be present when the seal is broken on the Transport and will accept the shipping tickets and make distribution to the Contractor.

Use ionically compatible asphalt to precoat aggregate, which is compatible with the asphalt specified for each specific Surface Treatment.

Be diligent about sweeping excess aggregate from seal coat projects one to two weeks after completing the work, and performing additional sweeping of shoulders if necessary to remove loose aggregate or debris after the job is completed.

Perform work during good weather unless otherwise directed. If work is performed at Contractor's option, when inclement weather is impending, and the work is damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the work, if required.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Any oil or asphaltic material being paid for on the project shall use tank strap method as shown in TxDOT Seal Coat and Surface Treatment Manual 2004-1.

ITEM 340 – DENSE-GRADED HOT-MIX ASPHALT (Method)

The Contractor must sample asphalt binder, in accordance to the applicable item. Label the sample can with the corresponding CSJ, lot, and sublot numbers.

Samples must be stored in a common area where they are readily available to the TxDOT representative at the plant. The Contractor will be responsible for supplying storage for all samples. Retain all asphalt samples until directed otherwise.

When directed, the Contractor is responsible for disposal of all asphalt binder samples, in accordance to Local, State, and Federal regulations.

[Hot Mix Asphaltic Conc (HMAC) Core Holes]
Refill and compact all HMAC core holes to the same elevation as the adjacent roadway. Use Instant Roadway Repair® manufactured by International Roadway Research, 14702 Marine Road, Humble, TX 77396, phone # 1-800-837-4806, or equivalent, as directed. Consider this work subsidiary to the pertinent Items.

Provide mixture Type B using PG binder 64-22 for CSJ 1538-01-005.

Provide mixture Type C and D using PG binder 64-22 for CSJ 0071-03-037.

Target laboratory molded density is 96.5% for all mixtures without RAP and when using a Texas Gyratory Compactor (TGC) for designing the mixture.

When using RAP in a mixture, the target laboratory molded density is 96.5% for PG 64-22 mixtures and 97% for mixtures using PG 70-22 or higher for TGC mixture designs.

When using Superpave Gyratory Compactor (SGC) to design mixtures, submit the SGC mix design to the Engineer for approval.

All mixtures must meet the Hamburg requirement as stated in the table below.

High-Temperature Binder Grade	**Test Method**	**Hamburg Wheel Test Requirements [1]**
		Minimum # of Passes @ 0.5" Rut Depth, Tested @122°F
PG 64 or lower	Tex-242-F	7,000
PG 70	Tex-242-F	15,000
PG 76 or higher	Tex-242-F	20,000

1. The Engineer may accept Hamburg Wheel test results for production and placement if no more than 1of the 5 most recent tests is below the specified number of passes and the failing test is no more than 2,000 passes below the specified number of passes.

When using RAP, include the management methods of RAP processing, stockpiling, and testing in the QCP submitted for the project. Deleterious materials in RAP stockpiles should not exceed 1.5%, as determined by Tex-217-F, Part II.

Complete all roadways before final surface course placement, unless directed otherwise.

Ensure placement sequence to avoid excess distance of longitudinal joint lapback not to exceed one day's production rates.

Use a device to create a maximum 3H: 1V notched wedge joint on all hot mix joints of 2 in. or greater. Consider subsidiary to the pertinent Items.

Submit any proposed adjustments or changes to a job mix formula to the Engineer before production of the new job mix formula.

Tack every intermediate layer, unless otherwise directed. Do not dilute tack coat. Apply it through a distributor spray bar in accordance with Article 316.3(A) Distributor.

When surface irregularities, as defined in Article 341.4.I.3.c(5), "Irregularities", are detected or measured, the Contractor must take immediate corrective action defined as the removal and replacement of a full lane width of the defective area using a paver to place new mix, unless otherwise directed. If there are multiple defective areas within a sublot, making up to 30% of the sublot by area, the Engineer will require the entire sublot be removed, unless directed otherwise.

ITEM 354 - PLANING AND TEXTURING PAVEMENT

Remove the loose material from the roadway before opening to traffic.

Proposed widening areas to be removed using the milling process.

Taper transverse faces at ends of passes as directed.

Contractor to retain ownership of planed materials

ITEM 400 - EXCAVATION AND BACKFILL FOR STRUCTURES

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Sawcut any concrete or asphaltic concrete pavement areas, where needed, as directed. Consider subsidiary to the pertinent Items.

Obtain approval of all compaction equipment prior to all backfilling and embankment operations.

ITEM 421 – HYDRAULIC CEMENT CONCRETE

Over-design requirements for compressive strength are waived for non-structural concrete, as defined in Table 5, Item 421.4. Construction.A.

Minimum air-entrainment requirements are waived for all classes of concrete, except for Class S, DC, or CO concrete. For all classes of concrete, except for Class S, P, DC or CO concrete or for non-structural concrete, as defined in Table 5, the entrained air content must not exceed 8% air.

For all non-pavement applications using Class S, DC or CO concrete, target 5.5% entrained air. If the air content exceeds the target air content by more than 3 percentage points, the load of concrete will be rejected.

National Ready Mix Concrete Association (NRMCA) plant certifications are waived for concrete classes not identified as structural concrete in Table 5, Item 421.4. Construction.A. The Engineer will inspect and approve all plants and trucks.

Sulfate resistant concrete is not required from any class of concrete.

ITEM 430 - EXTENDING CONCRETE STRUCTURES

Remove all construction debris.

Use Class “C” concrete for this item.

ITEM 432 - RIPRAP

Make 5-inches thick unless otherwise noted or directed.

Where any proposed riprap joins existing riprap, saw cut the existing riprap and dowel/epoxy the joint as directed. Consider subsidiary to the pertinent Items.

Additional riprap may be required, as determined by the Engineer, near the end of project completion, due to unanticipated erosion locations. Any additional, approved riprap will be paid under this Item.

Consider saw cutting of riprap as subsidiary.

Remove all loose Formwork and other Materials from the Floodplain or drainage areas, daily, which could float off in a Storm water Event, as directed.

ITEM 460 - CORRUGATED METAL PIPE

Cut pipe ends, in the field, to match roadway side slopes, or as directed. Apply asphalt base aluminum paint to the cut ends.
Verify all side-road pipe lengths in the field to conform to a side slope ratio of 6H: 1V from the pipe flowline to the base crown of the side road or street.

Cut ditches to grade before laying pipe.

ITEM 462 - CONCRETE BOX CULVERTS AND STORM DRAINS

Provide Shop Drawings, signed and sealed by a Licensed Professional Engineer, for all precast box culverts. Indicate the appropriate design load as shown on the plans (HS20 or HS25) and the maximum design depth of fill.

Use cohesionless backfill material of aggregate size range of ⅜-inch to 1½-inch, for bedding material.

ITEM 466 - HEADWALLS AND WINGWALLS

Removal of existing headwalls and wingwalls will be considered subsidiary to pertinent Items.

ITEM 467 - SAFETY END TREATMENT

Cut pipe ends, in the field, to match roadway side slopes, or as directed. Apply asphalt base aluminum paint to the cut ends.

All Type II SET’s shall have mitered pipe ends and cast-in-place riprap aprons.

ITEM 502 - BARRICADES, SIGNS, AND TRAFFIC HANDLING

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Meet with the Engineer prior to roadway and lane closures to ensure that sufficient equipment, materials, devices, and workers will be used. Discuss contingency plans at that time. Consider inclement weather prior to implementing the lane closures.

Do not set up any Lane Closure / TCP when the pavement is wet prior to the "setup," unless otherwise directed. Revise Traffic Control, when inclement weather is imminent, as directed.

Incorporate and maintain a 3H: 1V safety wedge into the proposed construction for any roadway edge of 2 inches or greater adjacent to a roadway under traffic.

Within the limits of the project, provide standard barricades, warning signs, delineators, lights, 28-inch cones, and flaggers in enough numbers and combinations, as directed.

Use a minimum of 2 flaggers, 2 advance warning flashing arrow panels (TY C), 2 of each signs CW20-5R or CW20-5L with appropriate distance plaques and CW9-2R or CW9-2L and 28-in. cones at each location in which milling or paving operations are in progress. Maintain at least 1 lane of traffic in each direction during paving or milling operations on US 87. Maintain at least the minimum numbers of lanes as directed.

No closures will be allowed on the weekends, which include the following holidays: January 1, the last Monday in May, July 4, the first Monday in September, the fourth Thursday in November, December 25, Easter weekend, and the first working day before or after any of the aforementioned holidays. Unless otherwise approved, no closures will be allowed on the weekends of special events that could be impacted by the construction. Ensure all equipment, vehicles, workers, etc., associated with these closures are off the roadways and all lanes re-opened, at least, by noon of the Friday before these holidays and special events.

Place TY III Barricades 4 feet (min.), 8 feet (max.) or a minimum of 2 Barrels at each stockpile of material that is placed on the right of way and is located within 30 feet of the traveled way. See BC (10)-07 sheet for more details.
Use advance warning flashing arrow panels for the closing of traffic lanes. Furnish one stand-by unit, in good working condition at the jobsite, ready for immediate use.

Maintain access to all streets and driveways at all times, unless otherwise approved. Consider subsidiary to the pertinent Items.

Furnish advisory speed signs in enough numbers as directed.

Maintain enough workers to revise traffic control as directed.

For each Lane Closure Set-up, provide a "Buffer Space" and Shadow Vehicle with Truck Mounted Attenuator (TMA), as directed.

Provide a “Downstream” Buffer Space (≈100' per lane with devices spaced at ≈20') for each lane closure setup, as directed.

Maintain construction-warning signs, which are needed for longer periods than what is shown on the traffic control plan or as directed. Consider subsidiary to the pertinent Items.

Cover or remove any existing sign(s), which conflict with temporary traffic control operations. Install all permanent signs, delineation, and object markers necessary for the operation of any roadway before opening that section of roadway to traffic**,** regardless of the phase during which the roadway construction occurs. Erect the signs on temporary mounts until the permanent mounts are installed. Consider any costs associated with the temporary mounts subsidiary. Repair or replace any signs, which are damaged by the Contractor’s operations during construction or which are deemed not sufficient. The Engineer will be the sole judge of the adequacy of the sign(s). Consider this work subsidiary to the pertinent Items.

Secure a 28-inch cone on top of any foundations that have protruding studs during construction. The cones will meet the specifications listed on BC (10)–07. In addition, they will be reflectorized, as described. All labor and materials will be considered subsidiary to the pertinent Items.

Maintain Sandbags that are used for ballast, as directed. Consider subsidiary to the pertinent Items.

ITEM 504 - FIELD OFFICE AND LABORATORY

Concrete Material Testing

Provide thoroughly cleaned, permanent and temporary molds, for the exclusive use of TxDOT personnel. Provide a cylinder tank and tank heater capable of maintaining the water temperature as required by Tex-447-A. Furnish water for the cylinder tank, and refill the tank as necessary.
A lack of adequate molds available and on site, for testing purposes, could be a cause an interruption in job progress, at the sole expense of the Contractor. Consider subsidiary to the pertinent Items.

Asphaltic Material Testing Facility

Furnish a Type D structure for the asphalt-mix control laboratory for the Engineer’s exclusive use. Ensure the floor has enough strength to support the testing equipment and has an impervious covering.

Ensure the Type D structure has adequate air conditioning and is furnished with a minimum of one desk, three chairs, one file cabinet, a telephone, and one built-in equipment storage cabinet for the storage of nuclear equipment. Make the cabinet a minimum of 3-feet wide by 2-feet deep

by 3-feet high and make provisions for locking securely. Provide the structure with a 240-volt electrical service entrance. Provide a minimum of four 120-volt circuits with 20-amp breakers and at most two grounded convenience outlets per circuit and provisions for a minimum of two 220-volt ovens with vents to the outside. Provide a minimum of two convenience outlets per wall and a utility sink with an adequate clean potable water supply for testing. Space heaters for heating the structure are unacceptable. Provide support blocks and tie down portable structures for stability.

Provide an ignition oven for the use of Department to determine asphalt content in accordance to Tex-236-F. Provide other laboratory equipment as directed.

Provide to the Department and their representative a computer meeting the minimum specification requirements in DMS 10101 "Computer Equipment." Provide a color printer no older than 2 years old. The operation system must be Microsoft XP-SP2, unless directed otherwise. Provide DSL or better internet service. Computer must have at least two front USB ports. Consider subsidiary to pertinent Items.

Provide a permanent, fully equipped, indoor restroom, with toilet and running water as a part of the Type D structure, unless approved otherwise. Provide a monthly drinking water cooler with hot & cold taps and a monthly drinking water service, unless approved otherwise. Consider subsidiary to the pertinent Items.

Equivalent structures may be substituted for those specified under this Item, as agreed. The agreement must be in writing.

Maintain and repair any structure or equipment contained herein. Consider subsidiary to the pertinent Items.

ITEM 506 - TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

Obtain the Engineer's approval for proposed methods used for erosion control before starting each phase of construction.

Double-bag all sandbags used for erosion control items. Consider subsidiary to pertinent Items.

ITEM 530 – INTERSECTIONS, DRIVEWAYS, AND TURNOUTS

Notify property owners a minimum of 48 hours in advance of beginning work on their driveways. Provide, to TxDOT, a list of each notification and contact prior to each closure.

County: MASON **Control:** 1538-01-005, ETC.

Highway: RM 1723, ETC.

Provide access, at all times, to adjacent property. Construct driveways one-half sections, to allow access.

Do not completely close driveways for reconstruction purposes, unless a reasonable alternate access exists to the property, as approved.

Place the Flex Base for the Driveways using Ordinary Compaction.

ITEM 560 - MAILBOX ASSEMBLIES

Supplement each new mailbox installation with Type 2 object marker placed on the mailbox support in a vertical position 6 in. below the bottom of the mailbox.

Reflective tape may be used to simulate a Type 2 marker placed on tubular supports. Use tape that meets DMS-8600. The simulated marker will consist of three (3)--2¾-inch x 2¾-inch pieces of yellow high intensity tape spaced 1inch apart.

The Type 2 marker will consist of OM-2SR or OM-2VP object markers if delineator post supports are used. Bi-directional brackets may be required on Size 2 mailbox installations. Consider subsidiary to the pertinent Items.

ITEM 662, 666, & 672

Notify the Engineer at least 24 hours in advance of removing existing striping and placing pavement markings & markers.

Apply markings during good weather unless otherwise directed. If markings are placed at Contractor's option, when inclement weather is impending, and the markings are damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the markings if required.

ITEM 662 - WORK ZONE PAVEMENT MARKINGS

Place temporary pavement markings each night, as directed. Temporary flexible-reflective tabs will not be allowed as temporary pavement marking on the various roadways, unless otherwise approved.

Remove work zone pavement markings within 48 hours after permanent striping has been completed.

Foil backed pavement markings will not be allowed.

ITEM 666 - REFLECTORIZED PAVEMENT MARKINGS

Apply Type I Reflectorized Pavement Markings no sooner than 14 days after applying the final surface treatment, unless otherwise directed.

Reference existing channel islands, gores, and lane striping before commencing work. Provide referencing that will include a sketch of the layout to the Engineer. Obtain approval for placement of guidemarks from the Engineer before to installing any permanent pavement markings. Consider subsidiary to the pertinent Items.

ITEM 672 - RAISED PAVEMENT MARKERS

Place the bituminous adhesive at a temperature range of 380°F to 390°F. Place the pavement marker on the bituminous adhesive approximately 20 seconds after the adhesive is placed on the pavement. Ensure the pavement marker rests solely on the adhesive and not the pavement surface. Ensure that a minimum of ⅛ in. layer of bituminous adhesive remains between the pavement marker and the pavement surface.

ITEM 677 - ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS

Remove and dispose of, off the right of way, any existing raised pavement markings before beginning surfacing operations. Remove the existing traffic buttons and pavement markers, daily, as work progresses and as directed. Consider subsidiary to the pertinent Items.

CONTROL : 1538-01-005, ETC
PROJECT : STP 2010(728)SB, ETC
HIGHWAY : RM 1723, ETC
COUNTY : MASON

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION JUNE 1, 2004. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 100 PREPARING RIGHT OF WAY (103)
ITEM 104 REMOVING CONCRETE
ITEM 105 REMOVING STABILIZED BASE AND ASPHALT PAVEMENT
ITEM 110 EXCAVATION (132)
ITEM 112 SUBGRADE WIDENING (132)(204)
ITEM 132 EMBANKMENT (100)(204)(210)(216)(400)
ITEM 160 TOPSOIL
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
ITEM 168 VEGETATIVE WATERING
ITEM 169 SOIL RETENTION BLANKETS
ITEM 247 FLEXIBLE BASE (105)(204)(210)(216)(520)
ITEM 310 PRIME COAT (300)(316)
ITEM 316 SURFACE TREATMENTS (210)(300)(302)(520)
ITEM 340 DENSE-GRADED HOT-MIX ASPHALT (METHOD) (210)(300)(301) (320)(520)(585)
ITEM 354 PLANING AND TEXTURING PAVEMENT
ITEM 420 CONCRETE STRUCTURES (400)(404)(421)(426)(427)(438)(440) (441)(448)
ITEM 432 RIPRAP (247)(420)(421)(427)(431)(440)
ITEM 460 CORRUGATED METAL PIPE (400)(445)(476)
ITEM 464 REINFORCED CONCRETE PIPE (400)(476)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(430)(432)(440)(445) (460)(464)
ITEM 496 REMOVING STRUCTURES (430)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS (432)(556)
ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247)(260)(263)

(275)(276)(292)(316)(330)(334)(340)(360)(421)(440)
ITEM 560 MAILBOX ASSEMBLIES
ITEM 636 ALUMINUM SIGNS (643)
ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (421)(440)
(441)(442)(445)(634)(636)(643)(656)
ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)
ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)
ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)
ITEM 672 RAISED PAVEMENT MARKERS (677)(678)
ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300)
(302)(316)

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE
---------- PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED
HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
(FORM FHWA 1273, MARCH, 1994)
WAGE RATES
SPECIAL PROVISION "PARTNERING" (000---002)
SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000---003)
SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000---004)
SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS" (000---006)
SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
(000---009)
SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"
(000---011)
SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL-AID
CONSTRUCTION" (000---461)
SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR
REQUIRED PAYROLL INFORMATION" (000--1483)
SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--1493)
SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--1676)
SPECIAL PROVISION TO ITEM 1 (001---011)
SPECIAL PROVISION TO ITEM 2 (002---017)
SPECIAL PROVISION TO ITEM 3 (003---033)
SPECIAL PROVISION TO ITEM 4 (004---013)
SPECIAL PROVISION TO ITEM 5 (005---004)
SPECIAL PROVISION TO ITEM 6 (006---030)
SPECIAL PROVISIONS TO ITEM 7 (007---213)(007---639)
SPECIAL PROVISIONS TO ITEM 8 (008---006)(008---084)
SPECIAL PROVISIONS TO ITEM 9 (009---009)(009---015)
SPECIAL PROVISION TO ITEM 100 (100---002)
SPECIAL PROVISION TO ITEM 164 (164---002)
SPECIAL PROVISION TO ITEM 166 (166---001)
SPECIAL PROVISION TO ITEM 169 (169---002)
SPECIAL PROVISION TO ITEM 247 (247---033)
SPECIAL PROVISION TO ITEM 300 (300---016)
SPECIAL PROVISION TO ITEM 340 (340---003)
SPECIAL PROVISION TO ITEM 420 (420---002)

SPECIAL PROVISION TO ITEM 421 (421---035)
SPECIAL PROVISION TO ITEM 431 (431---001)
SPECIAL PROVISION TO ITEM 440 (440---002)
SPECIAL PROVISION TO ITEM 441 (441---005)
SPECIAL PROVISIONS TO ITEM 442 (442---002)(442---005)
SPECIAL PROVISION TO ITEM 464 (464---003)
SPECIAL PROVISION TO ITEM 500 (500---005)
SPECIAL PROVISION TO ITEM 502 (502---033)
SPECIAL PROVISION TO ITEM 506 (506---010)
SPECIAL PROVISION TO ITEM 560 (560---001)
SPECIAL PROVISION TO ITEM 636 (636---014)
SPECIAL PROVISION TO ITEM 643 (643---001)
SPECIAL PROVISION TO ITEM 672 (672---034)

SPECIAL SPECIFICATIONS:

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFICATIONS FOR THIS PROJECT.

The wage rates listed are those predetermined by the Secretary of Labor and State Statue to be the minimum wages paid. To determine the applicable wage rate zone, a list entitled "TEXAS COUNTIES IDENTIFIED BY WAGE RATE ZONES" is provided in the contract. Any wage rate that is not listed must be submitted to the Engineer for approval. IMPORTANT NOTICE FOR STATE PROJECTS; only the controlling wage rate zone applies to the contract. **Effective 03-12-2010**

Index#	Classification	Zone 27 3/12/10 TX08-27	Zone 28 3/12/10 TX08-28	Zone 29 3/12/10 TX08-29	Zone 30 3/12/10 TX08-30	Zone 31 3/12/10 TX08-31	Zone 41 3/12/10 TX08-41	Zone 43 3/12/10 TX08-43	Zone 45 3/12/10 TX08-45	Zone 46 3/12/10 TX08-46	Zone 118 3/12/10 TX08-118	Zone 119 3/12/10 TX08-119	Zone 120 3/12/10 TX08-120	Zone 125 3/12/10 TX08-125
100	Air Tool Operator						16.00	10.06	9.98				9.05	
103	Asphalt Heater Operator		11.27											
106	Asphalt Raker	8.99	9.51	8.49	8.58	9.11	9.96	11.01	9.30	11.13	9.36	9.58	9.53	10.63
109	Asphalt Shoveler			9.35	9.09		10.56	8.80	8.28	9.14			7.33	9.23
112	Batching Plant Weigher							14.15	17.11				11.15	
115	Batterboard Setter													
118	Carpenter	10.39	12.61	10.73	12.59	10.52	12.25	12.80	11.73	12.49	10.71	10.54	10.10	11.70
124	Concrete Finisher (Paving)	10.76	13.26	11.04	12.46	10.32	10.53	12.85	11.70	11.38	12.18	10.65	11.25	11.64
130	Concrete Finisher (Structures)		11.20	10.23	10.40	10.23	10.95	13.27	11.27	10.80	11.16	11.91	10.03	10.23
136	Concrete Rubber			10.00			10.88	10.61	9.49	9.00	10.50	11.75		9.00
139	Electrician		17.00		15.00	17.83	24.11	18.12	17.22	21.79			19.00	
148	Fireman													
150	Flagger	7.84		7.79	7.61		9.49	8.43	8.06	9.42	7.25	8.89	7.29	8.60
151	Form Builder/Setter, Structures		9.26	9.70	9.57	9.73	10.88	11.63	11.21	10.50	11.47	9.90	10.01	10.51
157	Form Liner (Paving & Curb)								8.00	11.75				
160	Form Setter (Paving & Curb)	9.32	9.82	10.50			9.89	11.83	10.63	10.51	9.65		9.43	9.48
172	Laborer (Common)	8.15	8.51	8.10	8.86	8.25	9.34	9.18	8.69	9.15	8.35	8.14	8.25	8.91
175	Laborer (Utility)	9.61	10.46	9.45	11.39	9.72	10.12	10.65	10.57	9.81	9.09	9.55	9.62	9.21
178	Lineperson													
181	Groundperson													
184	Manhole Builder									9.00				
187	Mechanic		16.85	12.22	13.53	12.82	14.74	16.97	14.79	13.72	13.17	12.16	14.05	12.18
193	Oiler						14.71	14.98	12.50	12.12			10.67	
194	Servicer	9.64	8.98	9.49	10.00	10.03	11.41	12.32	11.43	10.96	10.75	9.70	8.22	11.18
196	Painter (Structures)						11.00	13.17		15.54			11.00	
202	Piledriverman								11.00	12.22				
205	Pipelayer			9.05		9.83	10.49	11.04	10.85	9.49	9.00	8.85		9.71
211	Pneumatic Motor Operator													
214	Blaster													
300	Asphalt Distributor Operator	10.28	9.25	10.30	11.74	9.78	12.09	13.99	11.45	10.94	12.42	10.95	10.46	12.57
303	Asphalt Paving Machine Opr.	10.77	11.16	10.42	10.49	11.41	11.82	12.78	11.82	12.01	11.57	10.62	9.38	11.60
305	Broom or Sweeper Operator	8.92	8.57	8.26	8.47		9.74	9.88	9.09	11.19		8.44	8.01	9.32
306	Bulldozer Operator		9.76	10.13	11.97	10.60	11.04	13.22	11.80	11.81	10.90	10.13	10.88	11.69
315	Conc. Pav. Curbing Machine Opr.						14.00	12.00		10.00				
318	Conc. Pav. Finishing Mach. Opr.					11.23	12.00	13.63		13.07				
321	Conc. Pav. Form Grader Opr.													
324	Conc. Pav. Gang Vibrator Opr.													
326	Conc. Pav. Grinder Opr.													
327	Conc. Pav. Joint Machine Opr.													
329	Conc. Pav. Joint Sealer Opr.							12.50		11.00				
330	Conc. Pav. Float Opr.													
333	Conc. Pav. Saw Opr.	12.09			12.13			13.56	12.30	12.75			15.00	
336	Conc. Pav. Spreader							14.50		10.44				
339	Conc. Pav. Sub-Grader Opr.													
340	Reinf. Steel Machine Operator													
341	Slip-Form Machine Operator		13.64				15.17	12.33		11.07				
342	Crane, Clamshell, Backhoe Derrick, Dragline, Shovel	10.95	11.00	11.35	12.14	11.50	13.66	14.12	12.50	12.71	12.55	11.34	10.94	12.00
351	Crusher or Screen Plant Opr.	9.28								11.29			9.00	
354	Elevating Grader													
357	Form Loader													
360	Foundation Drill Opr.Crawler Mt.							13.67		15.00				
363	Foundation Drill Opr.Truck Mt.			13.78			15.00	16.30	16.00	12.73	15.32		18.00	14.58
369	Front End Loader	9.68	10.52	9.44	10.78	9.83	11.36	12.62	10.83	10.65	10.05	9.64	10.04	10.62
375	Hoist (Double Drum & Less)													
378	Hoist (Over 2 Drums)													
380	Milling Machine Opr.(Fine Grd)							11.83	10.25	13.17			12.20	
381	Mixer Operator						10.83	11.58	10.09	10.33				
387	Mixer Opr.(Concrete Paving)						15.25							
390	Motor Grader Opr. Fine Grade	14.67	13.50	12.86	13.35	14.18	15.26	15.20	14.29	11.67	13.78	13.53	13.24	15.15
393	Motor Grader Operator, Rough	18.00	11.75	12.45	13.34	15.00	12.96	14.50	13.11	13.13	15.00	12.72	14.36	12.95

continued on the next page

Index#	Classification	Zone 27 3/12/10 TX08-27	Zone 28 3/12/10 TX08-28	Zone 29 3/12/10 TX08-29	Zone 30 3/12/10 TX08-30	Zone 31 3/12/10 TX08-31	Zone 41 3/12/10 TX08-41	Zone 43 3/12/10 TX08-43	Zone 45 3/12/10 TX08-45	Zone 46 3/12/10 TX08-46	Zone 118 3/12/10 TX08-118	Zone 119 3/12/10 TX08-119	Zone 120 3/12/10 TX08-120	Zone 125 3/12/10 TX08-125
396	Pavement Marking Machine	9.11			10.56		11.52	10.04	11.17	8.18		11.48	9.26	13.32
397	Planer Operator	17.50	13.36				17.45						17.50	
399	Pump Crete													
402	Roller Opr.,Stl.Wheel(Plant Mix Pav)	8.92	7.50	8.77	9.75	9.35	10.24	11.28	9.70	11.07	9.49	9.27	9.81	10.59
405	Roller Opr.,Stl.Wheel(Flat Whl/Tamp)	8.76	8.06	8.03	9.23	8.49	9.60	10.92	8.75	10.43	8.57	8.57	8.66	9.30

	Roller Opr.,Pneumatic (Self-													
408	Propell)	8.14	7.67	7.88	8.39	8.55	9.34	11.07	8.87	9.91	8.57	8.44	7.55	8.90
411	Scraper Operator	9.76	8.50	8.98	9.50	8.68	9.93	11.42	10.29	9.92	9.67	8.88	7.78	9.85
417	Self-Propelled Hammer Opr.													
419	Side Boom													
422	Tractor Operator(Crawler Type)	10.87					11.10	12.60	12.00	13.00				
428	Tractor Operator (Pneumatic)		12.00	9.51	11.00			12.91	11.57	10.07		10.02	8.58	
434	Traveling Mixer Operator	10.33	12.00	9.40	10.05		10.04	12.03	10.07	11.00		9.93	9.71	12.67
437	Trenching Machine, Light													
440	Trenching Machine, Heavy						14.22							
442	Tunneling Machine Operator													
443														
	Wagon Drill, Boring Machine,													
	Post Hole Driller Operator	10.25					14.65	14.00					8.86	
500	Reinforcing Steel Setter (Pav.)						15.50	14.86	13.48	15.14			9.50	
503	Reinforcing Steel Setter (Str.)						14.00	16.29	15.52	13.87			11.85	
	Reinforcing Steel Setter (Str.&P	10.94		10.67	12.52	10.29								
509	Structural Steel Worker						13.41			12.13	14.00			
513	Sign Erector													
515	Spreader Box Operator				13.12		10.39	10.92	10.39	11.12		11.01	10.07	13.00
518	Swamper													
520	Work Zone Barricade Servicer	9.50	8.28	8.84	7.85		11.15	10.09	9.52	9.94	8.97	9.32	8.64	9.63
522	Sign Installer (PGM)						14.85			8.54				
600	Truck Driver Single Axle, Light	10.03	8.08	9.40	9.62	9.58	9.98	10.91	10.24	10.07	9.00	9.79	7.55	10.85
603	Truck Driver Single Axle, Heavy	9.16	8.50	9.95	13.13	9.60	11.88	11.47	10.56	10.65	11.39	10.67	11.00	10.87
606	Truck Driver(Tandem Axle/ Sem	9.29	8.66	8.84	10.51	9.50	10.95	11.75	10.33	10.25	9.39	9.14	9.02	10.05
609	Truck Driver Lowboy-Float		12.67	11.81	10.50		15.30	14.93	11.64	13.16	14.15	12.65	11.42	13.70
612	Truck Driver Transit-Mix							12.08						
615	Truck Driver Winch													
700	Vibrator Operator (Hand Type)													
703	Weigher (Truck Scales)													
706	Welder		15.25	11.74		12.08	14.26	13.57			18.00		9.75	
707	Slurry Seal Machine Operator													
708	Micro-Surfacing Machine Opr.													

Any worker employed on this project shall be paid at the rate of one and one half (1-1/2) times the regular rate for every hour worked in excess of forty (40) hour per week

Apprentice Schedule/Period and Rate*

Power equipment Operators:	1000 Hrs	6th	7th	8th
Heavy Duty Mechanic	" "	85	90	95
Boom Equipment	" "	95		
Motor Grader	" "	95		
Tractor & Scrapers, Pneumatic and Crawler	" "	95		

*The apprenetice rate is by percentage of the journeyman's rate; no wages shall be less that the rate for "Laborer (Common)".

TEXAS COUNTIES IDENTIFIED BY WAGE RATE ZONES: 27, 28, 29, 30, 31, 41, 43, 45, 46, 118, 119, 120, 125

County Name	ZONE	County Name	ZONE	County Name	ZONE	County Name	ZONE
Anderson	45	Donley	120	Karnes	125	Reagan	120
Andrews	120	Duval	119	Kaufman	43	Real	120
Angelina	45	Eastland	120	Kendall	125	Red River	45
Aransas	125	Ector	28	Kenedy	119	Reeves	27
Archer	120	Edwards	27	Kent	120	Refugio	125
Armstrong	120	Ellis	43	Kerr	125	Roberts	120
Atascosa	125	El Paso	31	Kimble	120	Robertson	45
Austin	125	Erath	45	King	120	Rockwall	43
Bailey	120	Falls	45	Kinney	27	Runnels	120
Bandera	125	Fannin	45	Kleberg	125	Rusk	45
Bastrop	125	Fayette	125	Knox	120	Sabine	45
Baylor	120	Fisher	120	Lamar	45	San Augustine	45
Bee	125	Floyd	120	Lamb	120	San Jacinto	45
Bell	41	Foard	120	Lampasas	120	San Patricio	118
Bexar	41	Fort Bend	46	LaSalle	119	San Saba	120
Blanco	125	Franklin	45	Lavaca	125	Schleicher	120
Borden	120	Freestone	45	Lee	125	Scurry	120
Bosque	45	Frio	125	Leon	45	Shackelford	120
Bowie	30	Gaines	120	Liberty	46	Shelby	45
Brazoria	46	Galveston	46	Limestone	45	Sherman	120
Brazos	41	Garza	120	Lipscomb	120	Smith	30
Brewster	27	Gillespie	125	Live Oak	125	Somervell	45
Briscoe	120	Glasscock	120	Llano	125	Starr	119
Brooks	119	Goliad	125	Loving	120	Stephens	120
Brown	120	Gonzales	125	Lubbock	28	Sterling	120
Burleson	45	Gray	120	Lynn	120	Stonewall	120
Burnet	125	Grayson	43	Madison	45	Sutton	27
Caldwell	125	Gregg	30	Marion	45	Swisher	120
Calhoun	125	Grimes	45	Martin	120	Tarrant	43
Callahan	120	Guadalupe	41	Mason	125	Taylor	28
Cameron	29	Hale	120	Matagorda	125	Terrell	27
Camp	45	Hall	120	Maverick	119	Terry	120
Carson	120	Hamilton	45	McCulloch	120	Throckmorton	120
Cass	45	Hansford	120	McLennan	41	Titus	45
Castro	120	Hardeman	120	McMullen	119	Tom Green	28
Chambers	46	Hardin	46	Medina	125	Travis	41
Cherokee	45	Harris	46	Menard	120	Trinity	45
Childress	120	Harrison	30	Midland	28	Tyler	45
Clay	120	Hartley	120	Milam	45	Upshur	45
Cochran	120	Haskell	120	Mills	120	Upton	120
Coke	120	Hays	41	Mitchell	120	Uvalde	119
Coleman	120	Hemphill	120	Montague	120	Val Verde	27
Collin	43	Henderson	45	Montgomery	46	Van Zandt	45
Collingsworth	120	Hidalgo	29	Moore	120	Victoria	118
Colorado	125	Hill	45	Morris	45	Walker	45
Comal	41	Hockley	120	Motley	120	Waller	46
Comanche	120	Hood	45	Nacogdoches	45	Ward	120
Concho	120	Hopkins	45	Navarro	45	Washington	45
Cooke	120	Houston	45	Newton	45	Webb	29
Coryell	41	Howard	120	Nolan	120	Wharton	125
Cottle	120	Hudspeth	27	Nueces	118	Wheeler	120
Crane	120	Hunt	45	Ochiltree	120	Wichita	43
Crockett	27	Hutchinson	120	Oldham	120	Wilbarger	120
Crosby	120	Irion	120	Orange	46	Willacy	119
Culberson	27	Jack	45	Palo Pinto	45	Williamson	41
Dallam	120	Jackson	125	Panola	45	Wilson	125
Dallas	43	Jasper	45	Parker	43	Winkler	120
Dawson	120	Jeff Davis	27	Parmer	120	Wise	45
Deaf Smith	120	Jefferson	46	Pecos	27	Wood	45
Delta	45	Jim Hogg	119	Polk	45	Yoakum	120
Denton	43	Jim Wells	125	Potter	28	Young	120
DeWitt	125	Johnson	43	Presidio	27	Zapata	119
Dickens	120	Jones	120	Rains	45	Zavala	119
Dimmit	119			Randall	28		

Revised 04-15-08

SPECIAL PROVISION

008---006

Prosecution and Progress

For this project, Item 008, "Prosecution and Progress," of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 8.3. Computation of Contract Time for Completion. The first sentence of the first paragraph is voided and replaced by the following:

Working day charges will begin 60 calendar days after the date of the written authorization to begin work, or the first day of construction activity if work is initiated with in the 60 calendar day period.

SPECIAL PROVISION

300---016

Asphalts, Oils, and Emulsions

For this project, Item 300, "Asphalts, Oils, and Emulsions," of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 300.2. Materials, Table 3, "Polymer-Modified Asphalt Cement" is voided and replaced with the following:

Table 3A
Polymer-Modified Asphalt Cement

Property	Test Procedure	AC-5 w/2% SBR		AC-10 w/2% SBR		AC-15P		AC-20XP	
		Min	Max	Min	Max	Min	Max	Min	Max
Polymer		SBR		SBR		SBS		SBS	
Polymer Content, % (solids basis)	Tex-533-C	2.0	-	2.0	-	3.0	-	-	-
Dynamic Shear, G*/sin(delta), 64°C, 10 rad/s, kPa	T315	-	-	-	-	-	-	1.0	-
Viscosity									
140ºF, poise	T 202	700	-	1300	-	1500	-	2000	-
275ºF, poise	T 202	-	7.0	-	8.0	-	8.0	-	10
Penetration, 77ºF, 100 g, 5 sec.	T 49	120	150	80	-	100	150	75	115
Ductility, 5cm/min., 39.2ºF, cm	T 51	70	-	60	-	-	-	-	-
Elastic Recovery, 50ºF, %	Tex-539-C	-	-	-	-	55	-	55	-
Softening Point, ºF	T 53	-	-	-	-		-	120	-
Polymer Separation, 48 hrs.	Tex-540-C	None		None		None		None	
Flash Point, C.O.C., ºF	T 48	425	-	425	-	425	-	425	-
Tests on Residue from Thin Film Oven Test:	T179								
Retained Penetration Ratio, 77ºF	T 49	-	-	-	-	0.60	1.00	0.6	1.00
Tests on Residue from RTFO aging and Pressure Aging Vessel:	Tex-541-C and R28								
Bending Beam Rheometer	T313								
Creep Stiffness, -18°C, MPa		-	-	-	-	-	-	-	300
m-value, -18°C		-	-	-	-	-	-	0.300	-

Table 3B
Tire Rubber Modified Asphalt Cement

Property	Test Procedure	AC-10-2TR		AC-12-5TR		AC-20-5TR	
		Min	Max	Min	Max	Min	Max
Polymer		TR		TR		TR	
Polymer Content, % (solids basis)	Tex-533-C	2.0	-	5.0	-	5.0	-
Dynamic Shear, G*/sin(delta), 64°C, 10 rad/s, kPa	T315	-	-	-	-	1.0	-
Dynamic Shear, G*/sin(delta), 58°C, 10 rad/s, kPa	T315	1.0	-	-	-	-	-
Viscosity							
140ºF, poise	T 202	1000	-	1200	-	2000	-
275ºF, poise	T 202	-	8.0	-	8.0	-	10
Penetration, 77ºF, 100 g, 5 sec.	T 49	95	130	110	150	75	115
Elastic Recovery, 50ºF, %	Tex-539-C	30	-	55	-	55	-
Softening Point, ºF	T 53	110	-	113	-	120	-
Polymer Separation, 48 hrs.	Tex-540-C	None		None		None	
Flash Point, C.O.C., ºF	T 48	425	-	425	-	425	-
Tests on Residue from Thin Film Oven Test:	T179						
Retained Penetration Ratio, 77ºF	T 49	0.60	1.00	0.60	1.00	0.6	1.00
Tests on Residue from RTFO aging and Pressure Aging Vessel:	Tex-541-C and R28						
Bending Beam Rheometer	T313						
Creep Stiffness, -18°C, MPa		-	300	-	300	-	300
m-value, -18°C		0.300	-	0.300	-	0.300	-